

1Q5-GT/1Q5-G

1Q5-GT ★

BEAM POWER AMPLIFIER

Filament	Coated	
Voltage	1.4	d-c volts
Current	0.1	amp.
Maximum Overall Length		3-5/16"
Maximum Seated Height		2-3/4" ←
Maximum Diameter		1-5/16"
Bulb		T-9
Base		Intermediate Shell Octal 7-Pin
Mounting Position		Any

Pin 1 - No Connection
Pin 2 - Filament +
Pin 3 - Plate
Pin 4 - Screen
Pin 5 - Grid
Pin 7 - Filament -
Pin 8 - No Connection

BOTTOM VIEW (G-6AF)

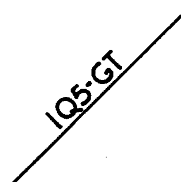
AMPLIFIER ←

Plate Voltage	110 max.	volts
Screen Voltage	110 max.	volts
Zero-Signal Cathode Current	12 max.	ma.

Typical Operation and Characteristics - Class A_1 Amplifier:

Plate	85	90	volts
Screen	85	90	volts
Grid	-5	-4.5	volts
Peak A-F Grid Voltage	5	4.5	volts
Zero-Sig. Plate Cur.	7.0	9.5	ma.
Zero-Sig. Screen Cur.	0.8	1.3	approx. ma.
Plate Resistance	70000	75000	approx. ohms
Transconductance	1950	2200	μmhos
Load Resistance	9000	8000	ohms
Total Harmonic Dist.	5.5	6.0	%
Max.-Sig. Power Output	250	270	mw.

← Indicates a change.





1Q5-GT



AVERAGE PLATE CHARACTERISTICS

E_f = 1.4 VOLTS D.C. SCREEN VOLTS = 90

CONTROL-GRID VOLTS E_{C1} = −4.5

E_{C1} = 0, −1.5, −3.0, −6.0, −7.5, −9.0, −10.5

I_b

I_{C2} — E_{C1} = 0, −3, −6

PLATE VOLTS: 0, 25, 50, 75, 100, 125, 150, 175, 200

PLATE (I_b) OR SCREEN (I_{C2}) MILLIAMPERES: 25, 20, 15, 10, 5, 0

JUNE 3, 1941 RCA RADIOTRON DIVISION 92C−6293

RCA MANUFACTURING COMPANY, INC.